Probably one of the most progressive trolley systems is that in the city of

Durban, Natal, South Africa. The line as first installed was of American origin in its equipment. You can ride cheaper

if you buy tickets instead of paying cash for each single fare. But the most

suggestive phase of the service is the streetcar parcels delivery. Parcels not exceeding twenty-eight pounds in weight

nor larger than eighteen inches square practically of all characters, are carried

at a very moderate rate. The line is

owned by the municipality. We have something to learn from that out-of-theway section of South Africa. American

enterprise is also responsible for the

The horse-drawn tramear has been

common sight in Bagdad for years, and

it is proposed to supplant that bid to

progress by an electric line. This inne-

vation might seem unreasonable if h

were not for the restless reaching out of

the tourist and the equally tiretess et.

forts of the travel agencies to widen

electric tram line at Patras, Greece.

The Trolley, Symbol of Modernism, Now Penetrates Earth's Remote Places

Pilgrims to the Holy Land Use It to Explore the Streets of the Holy City, Jerusalem, Venturesome Climbers Find It Useful in Scaling Vesuvius, While the Head-Hunters of Formosa Have Been Greatly Chastened by Costly Contact with the Live Wire.

COME weeks ago most of us Ameri- casualty list. The trousers were re- both the traveller and the residents-both ley car was to intrude in all its spirit of dom. modernity upon the traditional archaicism | Bombay, India, because of British in-

Within the last three decades a transbeen taking their way to the Holy City baskets upon their heads. annually for some years, and a large We all know how strenuously Corea, part of these new arrivals have had to the hitherto hermit nation, has resisted borrowing ideas from New York.

it possible for a person to travel wellinging bonles nigh without a break for several hundred

SWINGING THE PAST FORWARD.

world and brought into native life a form ing a way for the route through heavy of transit which has virtually leaped forward many hundreds of years beyond of more than eight hundred feet above their previously existing facilities. The the sea, and from that position it com-It has made it possible for the tourist to reach easily and speedily points of interest which in the past have been inaccessible or probability. sible or prohibitively expensive to the av-

to encourage the trolley was Bangkok, care had to be exercised in keeping the This was brought about by the influence of American advisers, then high in the favor of the late ruler of the Land of the White Elephant. Prior to that time bullock carts did duty upon the land for those not forced to rely upor boats of an endless variety furnished neans of transportation upon the mudd; taries at the capital city. It is said

of Jerusalem. We have so long thought fluence, has been a comparatively proof the ass and the camel as instruments gressive corner of the Orient for a good of carriage in that out-of-the-way corner many years, but it followed the lead set of the world that the thought of the trol- by Bangkok in the matter of electric ley gong clanging there seems almost like street railways. To-day Bombay boasts in the Philippines, a great American ena descration. And yet Jerusalem is but a typical American installation of forty-responding to conditions which are outgrowing the sacred limits of its walls and so-called city system. The native elebuilding up beyond its ancient boundaries populous suburbs—hence the need of rapid transit. The telephone has already taken its place in the daily life of the Holy as the lines were in working order. The most interesting part of the building of Within the last three decades a transthe line was the manner in which the
formation has been wrought in Jerusalem.
The line was the manner in which the
hatter and the necessary street excavatline and allied labor. In that part of the
hatter in an and allied labor. changed into a typically progressive one of to-day, but this revolution has been effected so discreetly that no offence has been given native Oriental conservatism.

Hindu employs a sort of grubbing hoe, and for the carriers of dist and other at least so we are told; but, in fact, the and for the carriage of dirt and other steam roller has played a part in the altered life. Only a short while ago one of our big motor road rollers arrived in Jerusalem, and surely the trolley car is of a day, and in this work both the men even less shocking to the Eastern mind. and the women co-operate, the women Thousands of Jewish immigrants have bearing the excavated material away in

make their homes outside of the city all innovations of the Western world, but walls. The old gates, formerly closed at we also know something of the changes sundown, are now always open, and some forced upon that ultra-conservative peoof the gateways have actually been oblit- pie by Japan after the war with Russia. erated. The effect of these changes has To-day, much against its will. Corea been greatly to expand the city limits has a single line of trolley cars running and to call for speedier means of out of Chemulpo, and the natives find it transit. It is said that the Mahometan a much better way of covering the dusty population is falling rapidly behind the highway than the means formerly at Jewish increase, and the Holy City is in their disposal. This line was built by one a fair way to become in fact, as well as of our great engineering companies, in name, the capital city of the Hebrew which has done much pioneer work in race. That probably explains why it is trolley construction. It is the intention orrowing ideas from New York.

The trolley car for a goodly number of tal of the country. Secul, twenty-five cears now has been working wonders in miles inland. One cannot help but wonthe way of facilitating intercommunica- der what the conservative Coreans think tion among neighboring towns favorably of this modern marvel, which now situated and in developing subarban prop-erties, and it has gradually created a net-work of lines in some states which make centuries by its tolling coolies and tug-

IGNORANCE IS DANGER.

Probably one of the most interesting But the trolley has done something besides this. It has intruded itself, so to Cape Town and Camps Bay. Apart from speak, in out-of-the-way parts of the overcoming natural obstacles and breakrocks, the line has to climb to a heigh negro's wonderment when the horseless

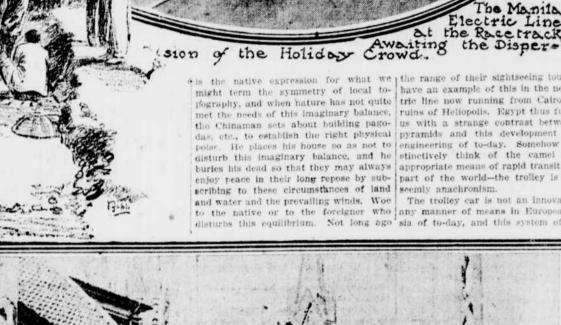
cans were surprised, if not jarred, by the announcement that the trolspirit of easy going indolence, and any means of rapid and effortless transportation is at a premium.

Immediately after our war with Spain, and while conditions were yet unsettled gineering company went out to Manila to construct the Manila Electric Railroad. We have had an example right at our front door of Spanish supineness, and we know how backward Cuba was from the standpoint of engineering advancement up to 1898, and the Philippines represented this laggard state of things several times multiplied by minus. Such was Manila when our constructional pioneers took up the task of modernizing that old city. The problem was something more than

New York's First Double-decker on It's First Days Trip

is the native expression for what we the range of their sightseeing tours. We might term the symmetry of local to- have an example of this in the new elecpography, and when hature has not quite tric line now running from Cairo to the met the needs of this imaginary balance, ruins of Heliopolis. Egypt thus furnishes the Chinaman sets about building page- us with a strange contrast between the das, etc., to establish the right physical pyramids and this development of the poise. He places his house so as not to engineering of to-day. Somehow we indisturb this imaginary balance, and he stinctively think of the camel as the buries his dead so that they may always appropriate means of rapid transit in that enjoy peace in their long repose by sub- part of the world-the trolley is an unscribing to these circumstances of land seemly anachronism. and water and the prevailing winds. Woe The trolley car is not an innovation by to the native or to the foreigner who any manner of means in European Rusdisturbs this equilibrium. Not long ago sia of to-day, and this system of trans-

Electric Line at the Racetrack.





Trolley System in Far-away Auckland, New Zealand.

elimatic conditions presented some obsta- since the spring of 1905. cles of their own. Not only did the damp- But Hawaii and the Philippines are not ness of the climate corrode the rails, necessitating generous coatings of ashumid air of the Philippines, and poles of woods commonly employed in the building of cars for lines here would not withstand the attack of these destructive into employ teak extensively, which added considerably to the expense of the raw material and its fabrication. A great part of the constructional work and excavating were done by Filipinos, and the habits of these people called for a good deal of watchfulness in order to keep them on the job.

The native is an inveterate gambler. and his first impulse is to start a little game as soon as he has a few pennies in his pocket. The luncheon hour furnished the period of worst temptation, and at

have helped to modernize by the introducset about destroying the wooden ties siumberous Porto Rico we have built au

native that had business to do found this a number of important railroad under- at every turn. mode of travel a convenient means of takings, but, despite the introduction of combining locomotion with a slesta. Who has not heard of Oolong tea, but persist in using the simplest and most do you know that it comes from faraway primitive implements in carrying out the Formosa? Most of us recall the Island work. Just the same, it is remarkable Beautiful as the home or head hunters, what the Celestial can do. If the trolley who for generations swarmed down upon line passes over a waterway or upon the rich Chinese land owners and went shaky ground, piling is necessarily reback to the hills either with rich tribute sorted to, and pile drivers are seidom if or carried away the head of some obsti- ever seen. However, John Chinaman sets nate mandarin or merchant prince. After his pile in position and pinches it be-Japan's war with China she set herself tween two long poles of very thick bamthe task of driving these native bandits boo, and, with these firmly strapped toto the remote fastnesses of Formosa's gether, a crowd of chattering coolles rugged mountains, and she also under- cling to the outstretched arms; by sheer took to reap the fruit of the island's weight the pile is forced into the mud or commercial riches. Formosa has nearly soft earth. When the top of the pile four hundred miles of electric tramways has come down to their own level, these in operation and under construction, and coolies, aided by a big stone held firmly of a helmet and a breech-cloth, but this to the black man than the dazzling glow some of this in the suburbs had to be run besides feeding from the capital, Keelung, between two pieces of timber, hammer uniform was not considered quite in of the incandescent light, which reached through a veritable jungle. Apart from into the out-of-the-way corners of the the stake securely into its resting place. what this imposes upon the upkeep of the island for passenger service, these lines Like the Hindu laborers in India, the Incandescent lights and the electric The march of American imperialism line, it offered many difficulties and dan- tap the great sugar and camphor dis- Chinaman will have nothing to do with Guayaquil and Quito, Ecuador. In sev- the source of power for the system. The tram, so the bronze legs of the guardians has carried the electric trolley across the gers to the surveyors engaged upon plotof the peace were promptly clothed in Pacific Ocean. Honoluli has a thorough- ting the route. The tropical jungles of developing these industries as well as of basket, instead,

surely and slowly the savage Formosan ways have made expensive detours in providing transportation for the less is either being reconciled to civilization order to avoid antagonizing the natives prosperous, but these trams are usually or forced to retreat further and further in this way. It sounds droll, and is run at decidedly moderate speed, and into the island's rugged wilderness in the funny, but it shows the concessions quicker motion and more exhibitantion can which modernity has to make in the Far be had by recourse to the abundant na-

The Japanese have adopted the electric East to mysticism. smerely overcoming civic inertness—the been running continuously and profitably trolley for street and suburban service in The trolley has obtained a footing, so are always ready for a race; the streets many of their important cities, and gradu- to speak, in the Malay Peninsula and are narrow and the turnings abrupt ally the "ricksha man" is being forced also in French Indo-China. The diffi- while your seating is anything but overthe only outlying possessions that we more and more from the frequenced high- cuity in that part of the world is in While this means of transportation furnishing accommodations for the vaphaltum paint, but the white ant prompt- tion of the intrusive trolley. Down in undoubtedly facilitates trade and the rious classes. We all know what caste tourings of the Western sightseer, still it means in the Orient. The lower natives fangled conveyances will fit in better until they were made unpalatable by be- electric railway first in San Juan and robs the native atmosphere of some of its have taken kindly to the trolley lines. ing impregnated with jodelite or with then about thirty miles toward the in- ancient charm of local color. However, but they have not yet adjusted their earbolineum. The tubular steel poles, terior to Caguss, which is a populous the present day Japanese is decidedly utili- habits to meet fully some of the standwhich readily meet our atmospheric continuous town in the centre of a very rich tobacco town in the centre of a very rich town in the centre of a very ric a composite passenger and freight trolley to make money faster and to hold his own tive carries his baskets or balances of native wood had to be substituted. The service, and is accomplishing wonders in this age of mechanical progress. vegetables, poultry, pigs, etc., which are white ants did not limit their ravages to the way of facilitating traffic and trade. Even conservative China is surrender- usually swung over his shoulders upon the roadbed-they attacked the rolling Within San Juan the electric line has ing to the lure of the electric line, and bamboo poles. One can easily imagine made it possible for the tourists with unstock as well, and soon showed that the supplanted a funny little one-horse tram- trolley systems now exist in a number the condition which this leads to. In way, which for years furnished the only of her larger seaports. Hankow is the British India, Calcutta, hae Bombay, now

cheap means of public conveyance. The latest to welcome this method of urban has its electric tramways, and the City horses looked as though they were walk- traffic, and twenty million dollars is the of Palaces is otherwise quite up to date. sects. As a result, it became necessary ing in their sleep, and the very vehicles sum to be spent in revolutionizing the It is a far cry from the "Black Hole" themselves resembled fourposters on streets and the car service of that city. to the trolley car, and yet the ancient its moderate altitude of 4,200 feet, is wheels. We can easily imagine that the The Chinese have already accomplished and the modern rub elbows in Calcutta By way of emphasizing her up-to-datethese modern facilities, the native still the late conflict. Before the dominance it is said that the capital of Ceylon, the lovely city of Colombo, now has a trolley

But constructional work in China has electric lines. Of course, one naturally to contend with a form of superstition expects electric traffic lines in Australia, and for freight service. It is said that centuries old. We refer to that devel- and these progressive antipodeans have

tive drosky. The drivers of these vehicles secure, hence the excitement of a ride in one of them. Probably when the trolley man becomes equally reckless these newwith the spirited requirements of some

grades of Russian citizenry. For a number of years electric motor cars have made it easier to reach the summit of Mount Vesuvius. The line has to make a pretty stiff climb, but that is the very reason for its existence. It has the crater without overtaxing themselves. and the tourist agency responsible for the cidedly worth while. But Vesuvius, with hardly a circumstance to the climb the electric cars make among the mountains ness, Japan has built an electric rail-way in Dainy, thus making more modern way in Dainy, thus making more modern trolley cars make that ascent with apthat seaport of Southern Manchuria parent ease, thanks to the power the which she wrested from Russia during melting snows furnish at the hydro-electric plants. But Europe is destined soon of the Japanese transportation or traffic to hold a very secondary place in this facilities in Dalny were years behind the matter of mountain climbing electric times. To skip from north to south, | tramways. Old Popocatepeti has been rearing its peak two miles heavenward for centuries, and the Mexicans are justly proud of that famous volcano. Its crest Americans have done a good deal reaches far above the snowline-the sumtoward supplying the principal cities of mit being nearly eighteen thousand feet South America with electric tramways. above the sea. On the rim of the crater a large hotel is to be built, and an English syndicate intends to run an electric railway from the City of Mexico to Puebla big hydro-electric plant, and that will be crater of Popocatepetl has been mined for sulphur for a long time, and the new tramway will be used both for passenger

Filipinos Working Upon the Electric that the project hung in abeyance for African from satisfying his overpowering first most of the earnings went to pay some time because of native superstition curiosity at the expense of his life or for that excitement, instead of the need-

keeping with the simultaneous advent of that part of the world earlier.

and the fear that the wailing motors physical welfare. When the system was ful nourishment. Finally the builders remight disturb the calm of the sacred these laughter loving children of a larger In full operation the cars provided for cruited lunchmen, who were stationed elephants, but the royal leaning toward growth were literally packed with all vide a superior temptation in the way of modernity won in the end, and the road that could find standing room and who food, This worked beautifully, and with was built. Up to that time the native had the necessary fare. The trolley cars mutual benefit. The Manila Electric Rallpolice had worn a full dress consisting were far more of a source of amazement road has about forty miles of track, and

This was too much by up-to-date electric line, and the road the Philippines abound in native snakes providing ready outlets for the fast-growthout the police threatened to block rapid Punch Bowl, five hundred feet above the bead hunters caused some interruptions of Chinese geomancy which the trolley systems at Melbourne, Perth and transit or to promote an unwarranted sea. The line has proved popular with pleted with commendable speed, and has tions to traffic by cutting down the poles, natives term "Feng-Shui." "Feng-Shui." "Feng-Shui." "Kalgoorlie," while the neighboring New

European trousers. This was too much its up-to-date electric line, and the road for the laughter-loving native populace, and we all in bamboo pulp factories. For a while a form of superstition and the crowds that quickly gathered sightseer to the crest of the famous and these progressive and the road of the famous and these progressive and the road of the famous and the road of the r

Systems of this sort have been installed in Caracas, Venezuela; Para, Brazil; Montevideo, Uruguay, and at Buenos Ayres, Argentina. Electric railways have and to send a branch line thence up to been built and are building in Valparaiso the mountain top. At Necaxa there is * and in Tacna, Chill; Lima, Peru, and in eral of these places local waterpower has greatly facilitated the installation of

Continued on fourth page.